CHEMICO-BIOLOGICAL INTERACTIONS

SUBJECT INDEX

VOLUME 69 (1989)

2-Acetylaminofluorene, aging, DNA repair, rat liver, persisting adducts, 373

Acid hydrolysis, benzo[a]pyrene, fish liver, DNA adducts, **P-postlabeling, 203

β-Adrenoceptor blocking drugs, lipid-protein interaction, synaptosomes, ESR spectroscopy, 87

Aging, DNA repair, rat liver, 2-acetylaminofluorene, persisting adducts, 373

Alkylation mechanisms, mutagenicity, methanesulphonates, 45

Allergic encephalomyelitis, autoimmunity, Brown-Norway rats, mercuric chloride, lymph nodes, 17

Alveolar macrophages, monosodium-L-glutamate, lipid, 193

Antitumor, glutathione, disulfides, kinetic, 225

Antitumour drug, free radicals, tumour cell kill, drug resistance, 293

Autoimmunity, allergic encephalomyelitis, Brown-Norway rats, mercuric chloride, lymph nodes, 17

Azo dye carcinogens, reduction mechanisms, cytochrome P-450, microsomes, 61

Benzo[a]pyrene, fish liver, DNA adducts, ³²P-postlabeling acid hydrolysis, 203

Benzo[a]pyrene, newborn mice, benzo[a]pyrene diol epoxide, 245

Benzo[a]pyrene diol epoxide, newborn mice, benzo[a]pyrene, 245

Brown-Norway rats, allergic encephalomyelitis, autoimmunity, mercuric chloride, lymph nodes, 17

Carcinogenesis, methapyrilene, glutathione, lipid peroxidation, rat liver, 217

Chlorophenol, 2,4,6-trichlorophenol, in vitro metabolism, semiquinone free radical, reactive oxygen species, DNA strand breaks, 333

Chromium, microsomes, metabolism, cytochrome P-450, oxygen, 175

Copper cytotoxicity, metal cytotoxicity, 1

Cytochrome P-450, azo dye carcinogens, reduction mechanisms, microsomes, 61

Cytochrome P-450, chromium, microsomes, metabolism, oxygen, 175

Cytotoxicity, zinc, melanoma cells, HeLa cells, divalent cations, 279

1,2-Dibromo-3-chloropropane, methylated analogs, deuterated analogs, metabolism, 33

DDT, vitamin A, glycoprotein, man nosylation, vitamin A deficiency, 259

Deuterated analogs, 1,2-dibromo-3-chloropropane, methylated analogs, metabolism, 33

Di-(2-ethylhexyl)phthalate, protein kinase C, inhibition, tumor promotion, 73

cis-Dichloroplatinum(II), metallothioneins, platinum complexes, metal ion detoxification, 319

Disulfides, glutathione, antitumor, kinetic, 225

Divalent cations, zinc, cytotoxicity, melanoma cells, HeLa cells, 279

DNA adducts, benzo[a]pyrene, fish liver, *P-postlabeling acid hydrolysis, 203

DNA repair, aging, rat liver, 2-acetylaminofluorene, persisting adducts, 373

DNA strand breaks, chlorophenol, 2,4,6trichlorophenol, in vitro metabolism, semiquinone free radical, reactive oxygen species, 333

Dopamine, manganese, 6-hydroxydopamine, neurotoxicity, 345

Drug resistance, free radicals, antitumour drug, tumour cell kill, 293

Duchenne, muscular dystrophy, vitamin E, oxidative stress, 101

Electrochemistry, electron transfer, Δ¹-pyrroline-2-carboxylate, Δ²-thiazoline-4-carboxylate, Δ²-thiazoline-2-carboxylate, metal complexes, 235 Electron transfer, Δ¹-pyrroline-2-carboxylate, Δ²-thiazoline-4-carboxylate, Δ²-thiazoline-2carboxylate, metal complexes, electrochemistry, 235

Emesis, murine, gastric distension, model, 353

ESR spectroscopy, adrenoceptor blocking drugs, lipid-protein interaction, synaptosomes. 87

Exocyclic amino acylation, methylisocyanate, methylcarbamoyl DNA adducts, 359

Fish liver, benzo[a]pyrene, DNA adducts, **P-postlabeling, acid hydrolysis, 203

Free radicals, antitumour drug, tumour cell kill, drug resistance, 293

Gastric distension, emesis, murine, model, 353

Glutathione, antitumor, disulfides, kinetic, 225

Glutathione, methapyrilene, lipid peroxidation, carcinogenesis, rat liver, 217

Glutathione S-transferase inhibition, sulphobromophthalein, tienilic acid, isolated perfused liver, 23

Glutathione S-transferase isoenzymes, methyl linoleate ozonide, ozone toxicity, 269

Glycoprotein, vitamin A, mannosylation, DDT, vitamin A deficiency, 259

HeLa cells, zinc, cytotoxicity, melanoma cells, divalent cations, 279

6-Hydroxydopamine, manganese, dopamine, neurotoxicity, 345

Inhibition, protein kinase C, di-(2-ethylhexyl)phthalate, tumor promotion, 73

In vitro metabolism, chlorophenol, 2,4,6trichlorophenol, semiquinone free radical, reactive oxygen species, DNA strand breaks, 333

Isolated perfused liver, sulphobromophthalein, glutathione S-transferase inhibition, tienilic acid, 23

Kinetic, glutathione, antitumor, disulfides, 225

Lipid, monosodium-L-glutamate, alveolar macrophages, 193

Lipid-protein interaction, β-adrenoceptor blocking drugs, synaptosomes, ESR spectroscopy, 87 Lipid peroxidation, methapyrilene, glutathione, carcinogenesis, rat liver, 217

Lymph nodes, allergic encephalomyelitis, autoimmunity, Brown-Norway rats, mercuric chloride, 17

Manganese, dopamine, 6-hydroxydopamine, neurotoxicity, 345

Mannosylation, vitamin A, glycoprotein, DDT, vitamin A deficiency, 259

Melanoma cells, zinc, cytotoxicity, HeLa cells, divalent cations, 279

Mercuric chloride, allergic encephalomyelitis, autoimmunity, Brown-Norway rats, lymph nodes, 17

Metabolism, chromium, microsomes, cytochrome P-450, oxygen, 175

Metabolism, methylated analogs, deuterated analogs, 33

Metallothioneins, cis-dichloroplatinum(II), platinum complexes, metal ion detoxification, 319

Metal complexes, electron transfer, Δ¹-pyrroline-2-carboxylate, Δ²-thiazoline-4-carboxylate, Δ²-thiazoline-2-carboxylate, electrochemistry, 235

Metal cytotoxicity, copper cytotoxicity, 1

Metal ion detoxification, metallothioneins, cis-dichloroplatinum(II), platinum complexes, 319

Methanesulphonates, alkylation mechanisms, mutagenicity, 45

Methapyrilene, glutathione, lipid peroxidation, carcinogenesis, rat liver, 217

Methylated analogs, 1,2-dibromo-3-chloropropane, deuterated analogs, metabolism, 33 Methylcarbamoyl DNA adducts, methyl-

isocyanate, exocyclic amino acylation, 359 Methylisocyanate, exocyclic amino acylation, methylcarbamoyl DNA adducts, 359

Methyl linoleate ozonide, glutathione Stransferase isoenzymes, ozone toxicity, 249

Microsomes, azo dye carcinogens, reduction mechanisms, cytochrome P-450, 61

Microsomes, chromium, metabolism, cytochrome P-450, oxygen, 175

Model, emesis, murine, gastric distension,

Monosodium-L-glutamate, alveolar macrophages, lipid, 193

Murine, emesis, gastric distension, model,

Muscular dystrophy, vitamin E, oxidative stress, Duchenne, 101

- Mutagenicity, alkylation mechanisms, methanesulphonates, 45
- Neurotoxicity, manganese, dopamine, 6hydroxydopamine, 345
- Newborn mice, benzo[a]pyrene, benzo[a]pyrene diol epoxide, 245
- Oxidative stress, muscular dystrophy, vitamin E, Duchenne, 101
- Oxygen, chromium, microsomes, metabolism, cytochrome P-450, 175
- Ozone toxicity, glutathione S-transferase isoenzymes, methyl linoleate ozonide, 269
- Persisting adducts, aging, DNA repair, rat liver, acetylaminofluorene, 373
- Platinum complexes, metallothioneins, cisdichloroplatinum(II), metal ion detoxification, 319
- ⁸¹P-postlabeling, benzo[a]pyrene, fish liver, DNA adducts, acid hydrolysis, 203
- Protein kinase C, di-(2-ethylhexyl)phthalate, inhibition, tumor promotion, 73
- Δ¹-Pyrroline-2-carboxylate, electron transfer, Δ³-thiazoline-4-carboxylate, Δ²-thiazoline-2carboxylate, metal complexes, electrochemistry, 235
- Rat liver, aging, DNA repair, 2-acetylaminofluorene, persisting adducts, 373
- Rat liver, methapyrilene, glutathione, lipid peroxidation, carcinogenesis, 217
- Reactive oxygen species, chlorophenol, 2,4,6trichlorophenol, in vitro metabolism, semiquinone free radical, DNA strand breaks, 333
- Reduction mechanisms, azo dye carcinogens, cytochrome P-450, microsomes, 61

- Semiquinone free radical, chlorophenol, 2,4,6trichlorophenol, in vitro metabolism, reactive oxygen species, DNA strand breaks, 333
- Sulphobromophthalein, glutathione S-transferase inhibition, tienilic acid, isolated perfused liver, 23
- Synaptosomes, β-adrenoceptor blocking drugs, lipid-protein interaction, ESR spectroscopy, 87
- Δ²-Thiazoline-2-carboxylate, electron transfer, Δ¹-pyrroline-2-carboxylate, Δ²-thiazoline-4carboxylate, metal complexes, electrochemistry, 235
- Δ⁸-Thiazoline-4-carboxylate, electron transfer, Δ¹-pyrroline-2-carboxylate, Δ²-thiazoline-2carboxylate, metal complexes, electrochemistry, 235
- Tienilic acid, sulphobromophthalein, glutathione S-transferase inhibition, isolated perfused liver, 23
- 2.4,6-Trichlorophenol, chlorophenol, in vitro metabolism, semiquinone free radical, reactive oxygen species, DNA strand breaks, 333
- Tumor promotion, protein kinase C, di-(2ethylhexyl)phthalate, inhibition, 73
- Tumour cell kill, free radicals, antitumour drug, drug resistance, 293
- Vitamin A, glycoprotein, mannosylation, DDT, vitamin A deficiency, 259
- Vitamin A deficiency, vitamin A, glycoprotein, mannosylation, DDT, 259
- Vitamin E, muscular dystrophy, oxidative stress, Duchenne, 101
- Zinc, cytotoxicity, melanoma cells, HeLa cells, divalent cations, 279



CHEMICO-BIOLOGICAL INTERACTIONS

AUTHOR INDEX

VOLUME 69 (1989)

Agarwal, K.	1	Li. F.	359
Ahokas, J.T.	23	Lijinsky, W.	217
Albro, P.W.	73	Liu, W.K.	193
Alexander, J.	175	Lohman, P.H.M.	378
Azais-Braesco, V.	259	aromini, a racina.	010
		Mak, N.K.	198
Bagheri, K.	245	Mareschi, JP.	259
Blum, K.	333	Marko, V.	87
Boerrigter, M.E.T.I.	373	Melikian, A.A.	245
Borovanský, J.	279	Mikalsen, A.	175
		Mullaart, E.	373
Corbett, J.T.	73	Murphy, M.E.	101
Degiuli, A.	259	Nachtman, J.P.	345
Dybing, E.	33	Nelson, S.D.	38
		Nosál, R.	87
Eder, E.	45		
		Olver, I.N.	358
Farnworth, P.G.	319	Omichinski, J.G.	38
Fayet, Y.	259	Ondrias, K.	87
Fehring, S.I.	23		
Frot-Coutaz, J.	259	Pascal, G.	259
		Popp, W.J.	238
Garner, C.D.	345		
Got, R.	259	Reichert, W.L.	203
		Rietjens, I.M.C.M.	269
Hecht, S.S.	245	Riley, P.A.	279
Hernandez, L.	217	Roos, I.A.G.	319, 358
Hillcoat, B.L.	319, 353	Ryan, M.D.	238
Hoffmann, D.	245	Ryberg, D.	175
Juhl, U.	333	Saltzman, A.	17
		Schroeder, J.L.	78
Kehrer, J.P.	101	Segal, A.	359
Kirkpatrick, D.L.	225	Sharma, A.	1
Kovacie, P.	235	Shukla, R.R.	78
Kütt, W.	45	Sinha, B.K.	298
		Soderlund, E.J.	38
Lag. M.	33	Solomon, J.J.	359
Le Eberhart, BT.	203	Stasko, A.	87
Letoublon, R.	259	Stein, J.E.	208
Levine, S.	17	Stevens, L.H.	269
Levine, W.G.	61	Stoddart, A.M.	61

Talukder, G.	1	Vijg, J.	373
Thomas, K.	353	Vos, R.M.E.	269
Timberlake, J.W.	235		
		Witte, I.	333
		Wong, C.C.	193
van Bladeren, P.J.	269		
Varanasi, U.	203	Zbaida, S.	61

